

ABSTRACT

A stable fixed dose oral pharmaceutical formulation is provided. The formulation contains at least one anti-infective agent and at least one susceptible microorganism as active ingredients. At least one of the active ingredients is coated to provide a protective barrier around the active ingredient, the active ingredients being contained in a single pharmaceutical formulation. The formulation may be a tablet, a capsule, or a powder which may be made into a stable liquid. The protective barrier protects the susceptible micro-organism from the effect of the anti-infective agent to maintain the susceptible micro-organism in a viable form for a period of at least three months. The anti-infective agent can be an antibiotic such as an amoxycillin and the microorganism can be *Lactobacillus acidophilus*.